COLORADO RIVER ACTION PLAN: GUNNISON RIVER

		GOLORADO RIVER AGNORI EAR. GORINGON RIVER									
		ACTIVITY	WHO	STATUS	FY 03 10/02-9/03	FY 04 10/03-9/04	FY 05 10/04-9/05	FY 06 10/05-9/06	FY 07 10/06-9/07	FY 08 10/07-9/08	OUT- YEARS
	I.	PROVIDE AND PROTECT INSTREAM FLOWS (HABITAT MANAGEMENT)									
	I.A.	Identify fish habitat and flow needs.									
	1.0.1	Initially identify year-round flows needed for recovery (Flow recommendations will be provided									
	I.A.1.	upon completion of Aspinall Unit studies.)									
	I.A.1.a.	Complete draft technical synthesis report.	FWS	Complete							
	I.A.1.b.	Complete draft biological assessment.	BR		Х						
	I.A.1.c.	Complete final technical synthesis report.	FWS								
	I.A.1.d.	Complete final biological assessment.	BR		Х						
	I.A.1.e.	Complete draft biological opinion.	FWS			Х					
	I.A.1.f.	Complete draft NEPA document .	BR			Х					
	I.A.1.g.	Complete final biological opinion (FWS) and NEPA document (BR).	FWS/BR			Х					
	I.A.2.	Develop Gunnison River Management Plan.	Program		Х	Х					
	I.A.2.a.	Negotiate and sign MOU to implement the Gunnison River Management Plan.	Program			Х					
	1.0 - (4)	Complete ESA Section 7 consultation resulting in a programmatic biological opinion (PBO)	FWS/BR/WAP			V					
	I.A.2.a.(1)	for the Gunnison Basin.	Α			Х					
	I.A.2.a.(2)	Implement Gunnison River Management Plan.	Program			Х	Х	Х	Х	Х	Х
		State acceptance of initial flow recommendations (Flow recommendations will be provided upon									
	I.B.	completion of Aspinall Unit studies.)									
	I.B.1.	Review scientific basis, dependent on development of flow recommendations by FWS.	CWCB/CDOW		Х						
	I.B.2.	Assess legal and physical availability of water.	CWCB	Complete							
	I.B.3.	Assess compact considerations.	CWCB	Complete							
	I.B.4.	CWCB notice of intent to appropriate (in Colorado).	CWCB	On hold							
	I.C.	Legally protect identified flows.									
	I.C.1.	Acquire (flow recommendations will be provided upon completion of Aspinall Unit studies.)									
	I.C.1.a.	Assess, acquire and convert water rights to instream flows.	CWCB	On hold							
	I.C.2.	Appropriate (flow recommendations will be provided upon completion of Aspinall Unit studies.)									
	I.C.2.a.	CWCB approval to appropriate.	CWCB	On hold							
>*	I.C.2.b.	Colorado Attorney General's Office file date.	CWCB	On hold							
>*	I.C.2.c.	Water court adjudication (litigation dependent).	CWCB	On hold							
	I.C.3.	Deliver.									
		Aspinall Unit supplemental releases to maintain 2,000 cfs minimum flow at Colorado-Utah									
>*	I.C.3.a.	state line 9 out of 10 years. Provide annual report.	BR	Through 01							
	I.C.3.b.	Flows from Aspinall Unit for research studies.									
>*	I.C.3.b.(1)	Deliver flows.	BR	Complete							
			FWS/BR/								
>*	I.C.3.b.(2)	Protect research flows.	CWCB	Complete							
	I.C.3.c.	Flows from Paonia Reservoir in accordance with FWS Horsethief Biological Opinion.									
>*	I.C.3.c.(1)	Deliver flows.	BR	Ongoing	Х	Х	Х	Х	Х	Х	Х
	I.C.3.d.	Flows from Aspinall Unit pursuant to Aspinall Biological Opinion.		J. J.							
	I.C.3.d.(1)	Determine if change in water right and/or contract is needed.	BR	Pending							
	I.C.3.d.(2)	Enter into contract if needed.	BR	Pending							
>*	I.C.3.d.(3)	Deliver flows.	BR	Pending							
	I.C.3.d.(3)a)	Study Gunnison River return flows to determine consumptive use to be charged against flow deliveries.	USGS		Х	Х					
	I.D.	Evaluate and revise as needed flow regimes to benefit endangered fish populations.	FWS/Program	Ongoing	Х	Х	Х	Х	Х	Х	Х
	1	Initiate investigations of the feasibility of modifying releases from Aspinall Unit dams to									
	I.E.	increase water temperatures that would allow for upstream expansion of Colorado pikeminnow in	BR/Contract		Х						
		the Gunnison River.	2, 5 51111 451								
	II.	RESTORE HABITAT (HABITAT DEVELOPMENT AND MAINTENANCE)									
	II.A.	Restore and manage flooded bottomland habitat.									
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				Complete	10/02-9/03	10/03-9/04	10/04-9/03	10/03-9/00	10/00-9/07	10/07-9/08	TEARS
	II.A.1.	Develop management plan for Escalante State Wildlife Area.		5/94							
	II.A.2.	Develop and implement levee removal strategy at high-priority sites.		0/04							
		Preconstruction (contaminants screening, floodability assessments, environmental									
	II.A.2.a.	compliance, design & engineering).	BR		Х						1
>*	II.A.2.b.	Construction (levee removal)	BR		Х						
	II.A.2.c.	Operate and maintain.	BR/FWS		Х						
	II.A.2.d.	Evaluation.	FWS		Х						
	II.A.3.	Acquire interest in high-priority flooded bottomland habitats.									
	II.A.3.a.	Identify and evaluate sites.	FWS		Х						i
	II.A.3.b.	Pre-acquisition planning and identification of acquisition options.	PD		Х						<u> </u>
	II.A.3.c.	Conduct appraisal/NEPA compliance.	PD		Х						<u> </u>
>*	II.A.3.d.	Negotiate & acquire.	PD		Х						<u> </u>
	II.A.3.e.	Evaluate effectiveness of land acquisition activities and provide recommendations.	PD		Х						
	II.B.	Restore native fish passage at instream barriers.									
	II.B.1.	Restore passage at Redlands.									
	II.B.1.a.	Assess and make recommendations for fish passage.	FWS	Complete							
	II.B.1.b.	Implement viable options to restore fish passage.									
	II.B.1.b.(1)	Design passage, conduct NEPA compliance.	BR	Complete							
>*	II.B.1.b.(2)	Construct fish ladder.	BR	Complete							
>*	II.B.1.c.	Operate and maintain fish ladder.	FWS-FR/BR	Ongoing	Х	Х	Х	Х	Х	Х	Х
	II.B.1.d.	Monitor and evaluate success.	FWS-FR/BR	Complete							
	II.B.1.e	Identify minimum flows below Redlands Diversion Dam.	FWS-FR	Complete							
>*	II.B.1.f.	Deliver flows below Redlands.	BR	Ongoing	Х	Х	Х				
	II.B.1.g.	Screen Redlands diversion structure to prevent endangered fish entrainment.									
	II.B.1.g.(1)	Design.	BR		Х						
>*	II.B.1.g.(2)	Construct.	BR			Х	3/05				1
	II.B.2.	Restore passage at Hartland.									
	II.B.2.a.	Assess and make recommendations for fish passage.	FWS-FR	Complete							
	II.B.2.b.	Evaluate viable options to restore fish passage.	BR	Complete							
	II.B.2.c.	Design passage, conduct NEPA compliance.	BR	On hold			Х				1
>*	II.B.2.d.	Construct fish passage, if needed.	BR	On hold				Х	4/07		1
>*	II.B.2.e.	Operate and maintain.	TBD						Х	Х	Х
	II.B.2.f.	Monitor and evaluate success.	FWS								
	II.B.2.g.	Screen Hartland diversion to prevent endangered fish entrainment, if warranted.									
	II.B.2.g.(1)	Assess need.	BR/FWS/PD		Х						
_	II.B.2.g.(2)	Design.	BR				Х				
>*	II.B.2.g.(3)	Construct, if needed.	BR					3/06			
	III.	REDUCE NEGATIVE IMPACTS OF NONNATIVE FISHES AND SPORTFISH MANAGEMENT ACTIVITIES (NONNATIVE AND SPORTFISH MANAGEMENT)									
	III.A.	Reduce negative interactions between nonnative and endangered fishes.									
	III.A.1.	Increase law enforcement activity to decrease angling mortality.	CDOW	Ongoing	Х	Х	Х	Х	Х	Х	Х
>*	III.A.2.	Remove small nonnative cyprinids from backwaters and other low velocity habitats.	CDOW	On hold							
>*	III.A.3.	Reclaim ponds in critical habitat	CDOW	Complete							
	III.A.3.a.	Evaluate and make recommendations.	CDOW	Complete							
	IV.	MANAGE GENETIC INTEGRITY AND AUGMENT OR RESTORE POPULATIONS (STOCKING ENDANGERED FISHES)									
	IV.A.	Augment or restore populations as needed and as guided by the Genetics Management Plan.									
	IV.A.1.	Razorback sucker.									
-	IV.A.1.a.	Develop experimental augmentation plan and seek Program acceptance.	FWS-FR	Complete							
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	IV.A.1.b.	Implement experimental augmentation plan. (Goal: 10 adults/river mile.)									

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	IV.A.1.b.(2)	Monitor and evaluate results; make recommendations regarding further augmentation.	FWS-FR	Complete							
	IV.A.2.	Develop State stocking plan for Colorado pikeminnow in the Gunnison River.									
	IV.A.2.a.	Program acceptance.		Complete							
>	IV.A.2.b.	Implement Colorado pikeminnow State stocking plan.	CDOW/FWS	Ongoing	Х	Х	Х	Х	Х	Х	Х
	IV.A.2.c.	Evaluate stocking success as identified in monitoring plan for stocked fish.	FWS/CDOW		Х	Х	Х	Х	Х	Х	Х
	IV.A.3.	Develop State stocking plan for razorback sucker in the Gunnison River.									
	IV.A.3.a.	Program acceptance.		Complete							
>	IV.A.3.b.	Implement razorback sucker State stocking plan.	CDOW/FWS	Ongoing	Х	Х	Х	Х	Х	Х	Х
	IV.A.3.c.	Evaluate stocking success as identified in monitoring plan for stocked fish.	FWS/CDOW		Х	Х	Х	Х	Х	Х	Х
	v.	MONITOR POPULATIONS AND HABITAT AND CONDUCT RESEARCH TO SUPPORT RECOVERY ACTIONS (RESEARCH, MONITORING, AND DATA MANAGEMENT)									
	V.A.	Conduct research to acquire life history information and enhance scientific techniques required to complete recovery actions.									
	V.A.1.	Conduct Colorado pikeminnow and razorback sucker inventory in Gunnison River above Redlands.	FWS-FR	Complete							
	V.A.2.	Identify additional spawning sites of endangered fishes on the Gunnison River.	FWS-FR		Х	Х	8/05				